Special Issue

AI Used in Mobile Communications and Networks

Message from the Guest Editors

The continuous development of mobile communication and networks has connected everyone into the intelligent connections of all things. With the advent of the 5G/B5G era, mobile communication networks have grown more sophisticated, driving the critical need for intelligent network management, efficient resource allocation, and ultra-reliable low-latency communication. Artificial Intelligence (AI) techniques, well known in computer science disciplines as powerful tools to solve complex problems, are beginning to be applied in wireless communications to promote intelligent communication and spawn many new services. Therefore, with the joint promotion of big data, deep learning, and computing power, applying AI technology to mobile communication networks mobile communication networks has opened new research opportunities. In this Special Issue, we are particularly interested in the problems and challenges of AI applied to mobile communication networks, optimization methods, solutions, new technologies, theories, and network security.

Guest Editors

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Deadline for manuscript submissions

closed (15 January 2025)

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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